

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US98/07848

| <b>A. CLASSIFICATION OF SUBJECT MATTER</b><br>IPC(6) : AO1K 73/02, 73/04<br>US CL : 43/7, 9.1, 9.95, 9.8; 87/12<br>According to International Patent Classification (IPC) or to both national classification and IPC   |  |  |  |   |  |  |  |  |   |   |  |  |  |  |
|--|--|--|--|---|--|--|--|--|---|---|--|--|--|--|
| <b>B. FIELDS SEARCHED</b><br>Minimum documentation searched (classification system followed by classification symbols)<br>U.S. : 43/7, 9.1, 9.95, 9.8; 87/12<br>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched<br>NONE<br>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)<br>APS<br>SEARCH TERMS: U.S. Classes 57 & 87, net, trawl, fish   |  |  |  |   |  |  |  |  |   |   |  |  |  |  |
| <b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>  |  |  |  |   |  |  |  |  |   |   |  |  |  |  |
| Category*  | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No.  |  |   |  |  |  |  |   |   |  |  |  |  |
| Y  | US 2,511,057 A (GUTHRIE ET AL.) 13 June 1950 (13.06.50), see entire document.  | 33-35  |  |   |  |  |  |  |   |   |  |  |  |  |
| Y  | US 3,041,915 A (RYFFEL) 03 July 1962 (03.07.62), see entire document.  | 33-35  |  |   |  |  |  |  |   |   |  |  |  |  |
| Y  | US 2,823,576 A (NEEDHAM ET AL.) 18 February 1958 (18.02.58), see entire document.  | 34, 35   |  |   |  |  |  |  |   |   |  |  |  |  |
| Y  | US 2,590,586 A (THOMPSON, JR., ET AL.) 25 March 1952 (25.03.52), see entire document.  | 35   |  |   |  |  |  |  |   |   |  |  |  |  |
| A, P   | WO 97/13407 (SAFWAT ET AL.) 17 April 1997 (17.04.97), see entire document.   | 1-39   |  |   |  |  |  |  |   |   |  |  |  |  |
| A  | US 2,792,617 A (HALLER) 21 May 1957 (21.05.57), see entire document.   | 1-39   |  |   |  |  |  |  |   |   |  |  |  |  |
| <input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.   |  |  |  |   |  |  |  |  |   |   |  |  |  |  |
| <table border="0"> <tr> <td>* Special categories of cited documents:</td> <td>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>*A* document defining the general state of the art which is not considered to be of particular relevance</td> <td>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>*B* earlier document published on or after the international filing date</td> <td>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>*Z* document member of the same patent family</td> </tr> <tr> <td>*O* document referring to an oral disclosure, use, exhibition or other means</td> <td></td> </tr> <tr> <td>*P* document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table> |  |  | * Special categories of cited documents: | *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention | *A* document defining the general state of the art which is not considered to be of particular relevance | *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone | *B* earlier document published on or after the international filing date | *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art | *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | *Z* document member of the same patent family | *O* document referring to an oral disclosure, use, exhibition or other means |  | *P* document published prior to the international filing date but later than the priority date claimed |  |
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| *A* document defining the general state of the art which is not considered to be of particular relevance   | *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone   |  |  |   |  |  |  |  |   |   |  |  |  |  |
| *B* earlier document published on or after the international filing date   | *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |  |  |   |  |  |  |  |   |   |  |  |  |  |
| *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  | *Z* document member of the same patent family  |  |  |   |  |  |  |  |   |   |  |  |  |  |
| *O* document referring to an oral disclosure, use, exhibition or other means   |  |  |  |   |  |  |  |  |   |   |  |  |  |  |
| *P* document published prior to the international filing date but later than the priority date claimed   |  |  |  |   |  |  |  |  |   |   |  |  |  |  |
| Date of the actual completion of the international search<br>20 JULY 1998  |  | Date of mailing of the international search report<br>19.08.98                           |  |   |  |  |  |  |   |   |  |  |  |  |
| Name and mailing address of the ISA/US<br>Commissioner of Patents and Trademarks<br>Box PCT<br>Washington, D.C. 20231<br>Facsimile No. (703) 305-3230  |  | Authorized officer<br>DARREN ARK <i>Darren Smith for</i><br>Telephone No. (703) 305-3733 |  |   |  |  |  |  |   |   |  |  |  |  |

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| A         | US 3,369,317 A (BROWNELL) 20 February 1968 (20.02.68), see entire document.          | 1-39                  |
| A         | US 4,466,331 A (MATHESON) 21 August 1984 (21.08.84), see entire document.            | 1-39                  |
| A         | US 3,129,632 A (STARR) 21 April 1964 (21.04.64), see entire document.                | 1-39                  |
| A         | US 2,999,413 A (KAZUO MOMOI) 12 September 1961 (12.09.61), see entire document.      | 1-39                  |
| A         | US 3,153,297 A (GRABOWSKY) 20 October 1964 (20.10.64), see entire document.          | 1-39                  |
| A         | US 3,606,815 A (YAMASHITA ET AL.) 21 September 1971 (21.09.71), see entire document. | 1-39                  |
| A         | WO 91/01633 (THERET ET AL.) 21 February 1991 (21.02.91), see entire document.        | 1-39                  |
| A         | US 3,102,357 A (LUKETA) 03 September 1963 (03.09.63), see entire document.           | 1-39                  |
| A         | US 4,521,986 A (KOGA) 11 June 1985 (11.06.85), see entire document.                  | 1-39                  |
| A         | US 2,816,386 A (HARRIS ET AL.) 17 December 1957 (17.12.57), see entire document.     | 1-39                  |
| A         | US 5,453,190 A (MARTIN, SR.) 26 September 1995 (26.09.95), see entire document.      | 1-39                  |
| A         | US 1,552,269 A (BROCKER) 01 September 1925 (.01.09.25), see entire document.         | 1-39                  |
| A         | US 5,339,657 A (MCMURRAY) 23 August 1994 (23.08.94), see entire document.            | 1-39                  |
| A, E      | US 5,752,459 A (REXROAD) 19 MAY 1998 (19.05.98), see entire document.                | 1-39                  |
| A         | US 4,457,959 A (DORNHEIM ET AL.) 03 July 1984 (03.07.84), see entire document.       | 1-39                  |